

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
 Data File : BE094986.D
 Acq On : 14 Dec 2017 20:48
 Operator : SJ/JU
 Sample : I6797-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-07

Manual Integrations
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 12/15/2017 7:54:42 PM

Quant Time: Dec 15 08:23:49 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	6663	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14691	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9608	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	19863	0.40	ng	0.00
27) Chrysene-d12	21.87	240	24229	0.40	ng	0.00
34) Perylene-d12	24.55	264	18079	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1634	0.16	ng	0.00
5) Phenol-d6	7.59	99	1357	0.09	ng	0.00
8) Nitrobenzene-d5	9.65	82	4693	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	8022	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1236	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	15429	0.36	ng	0.00
25) Fluoranthene-d10	19.75	212	90778	0.35	ng	0.00
29) Terphenyl-d14	20.31	244	20732	0.45	ng	0.00
Target Compounds						
9) Naphthalene	11.38	128	180992	1.049	ng	99
12) 2-Methylnaphthalene	12.93	142	2182	0.051	ng	# 80
17) Acenaphthene	15.12	154	16585	0.487	ng	# 85
18) Fluorene	16.08	166	16328	0.386	ng	# 82
22) Pentachlorophenol	17.42	266	211	0.151	ng	89
23) Phenanthrene	17.82	178	6906	0.112	ng	# 61
30) Benzo(a)anthracene	21.85	228	2626m	0.037	ng	
31) Chrysene	21.92	228	2392m	0.030	ng	
33) Indeno(1,2,3-cd)pyrene	27.40	276	1985	0.031	ng	# 83
35) Benzo(b)fluoranthene	23.72	252	2499	0.038	ng	# 70
38) Dibenzo(a,h)anthracene	27.43	278	1606	0.029	ng	# 69
39) Benzo(g,h,i)perylene	28.29	276	1688	0.031	ng	# 72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

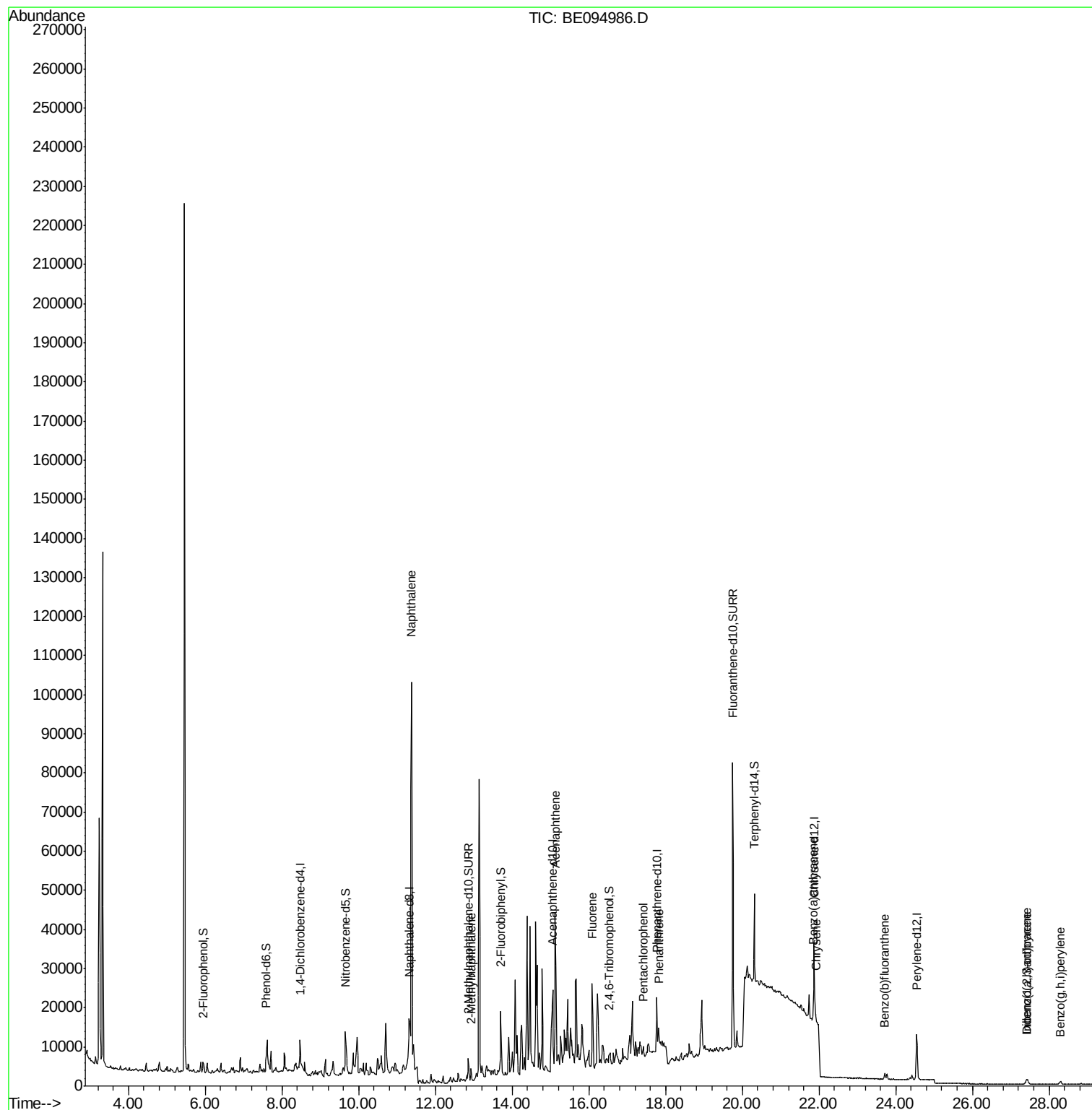
Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
Data File : BE094986.D
Acq On : 14 Dec 2017 20:48
Operator : SJ/JU
Sample : I6797-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

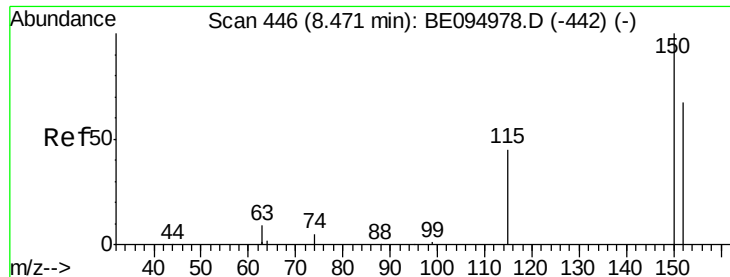
Instrument :
BNA_E
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#1

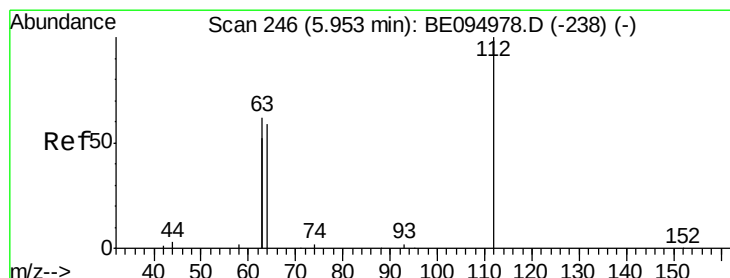
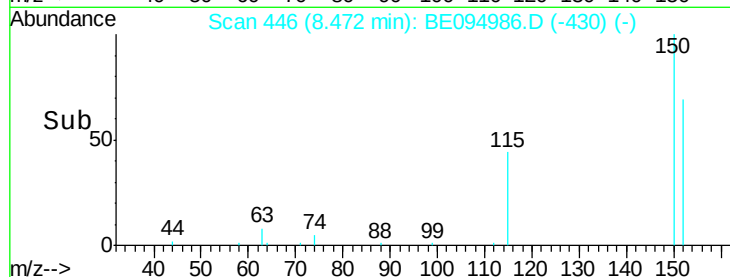
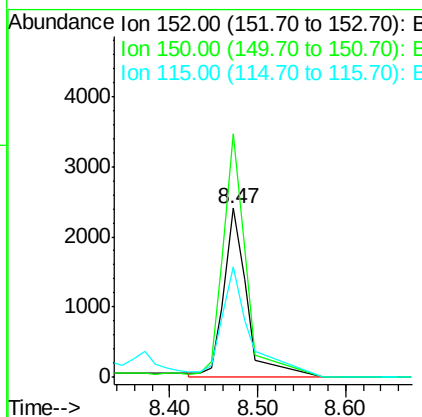
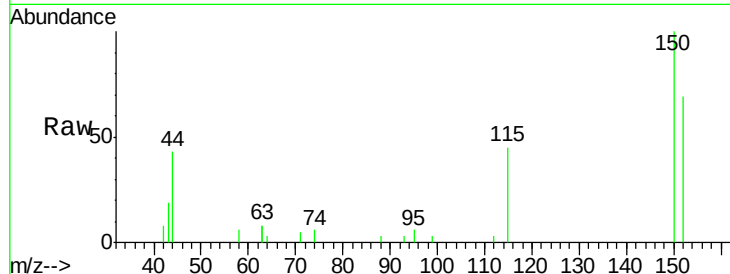
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Instrument :
BNA_E
ClientSampleId :
YT-MW-07

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.9	117.2	175.8
115	65.4	57.0	85.6

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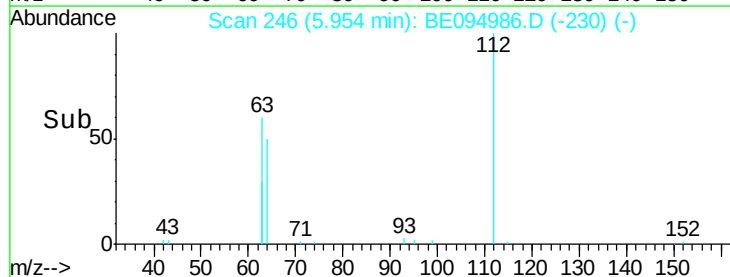
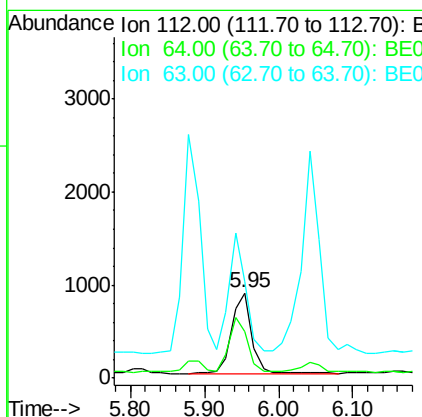
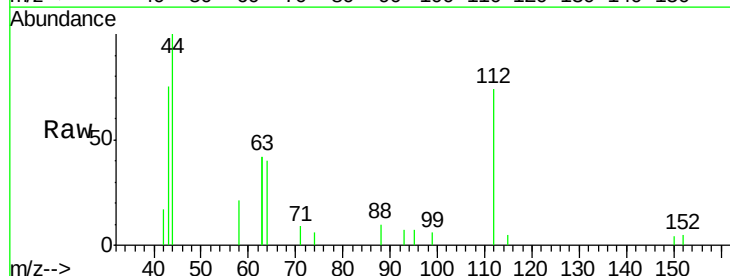
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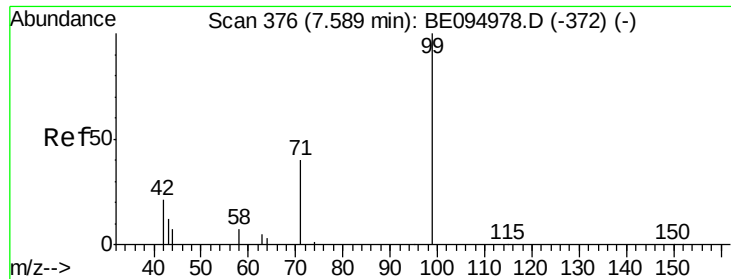


#4

2-Fluorophenol
Concen: 0.158 ng
RT: 5.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	60.1	90.1#
63	118.7	116.8	175.2





#5

Phenol-d6

Concen: 0.088 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

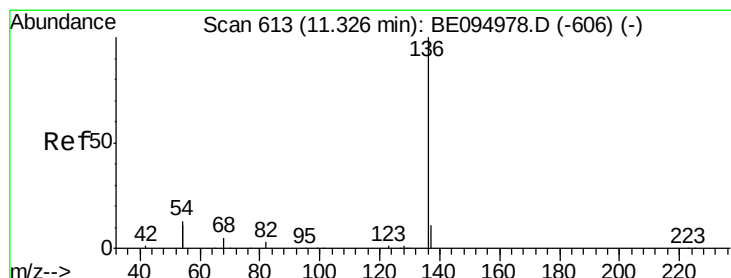
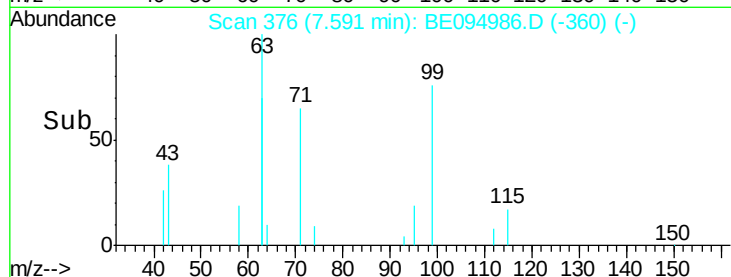
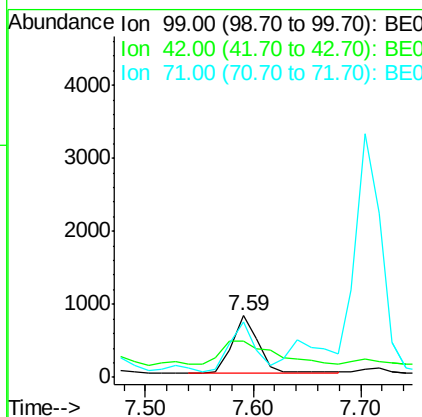
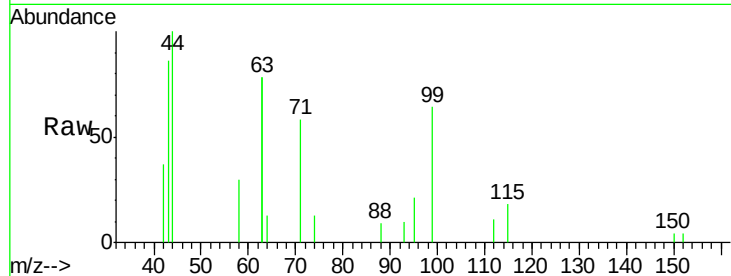
ClientSampleId :

YT-MW-07

Tot Ion:	99	Resp:	1357
Ion	Ratio	Lower	Upper
99	100		
42	78.5	20.2	30.2#
71	82.0	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

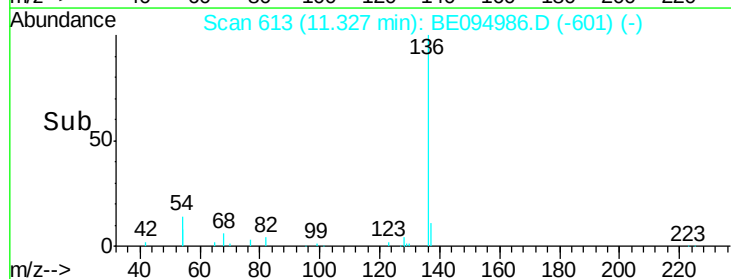
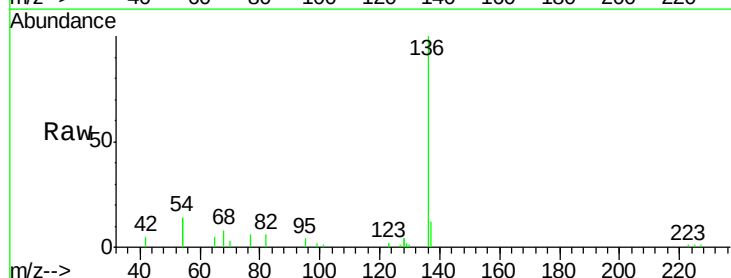
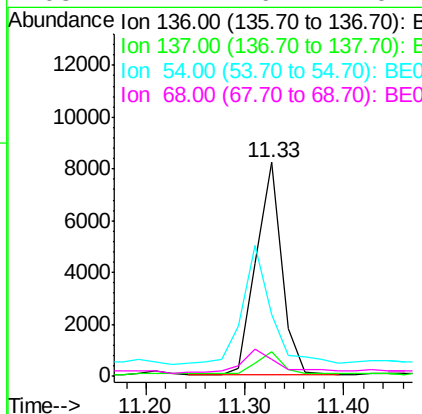
RT: 11.33 min Scan# 613

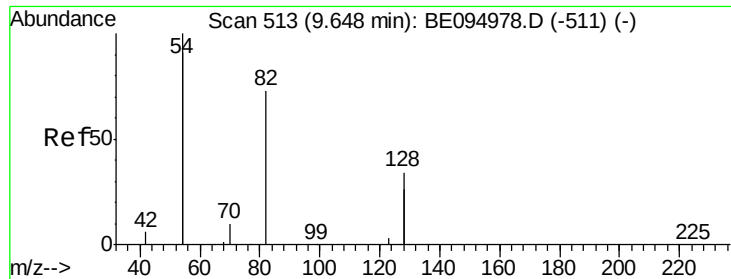
Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	136	Resp:	14691
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	28.7	29.1	43.7#
68	7.7	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.389 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

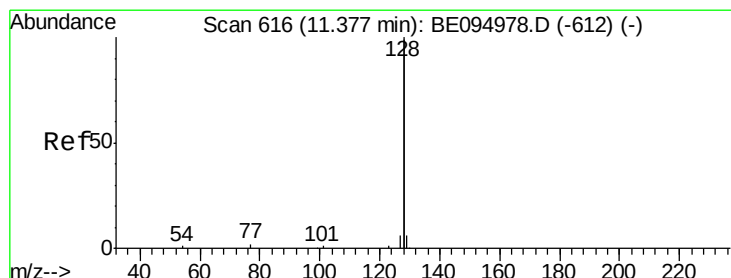
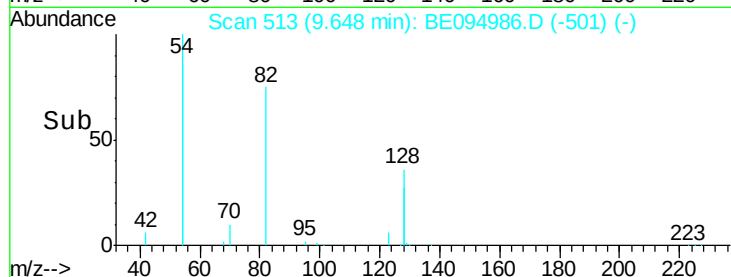
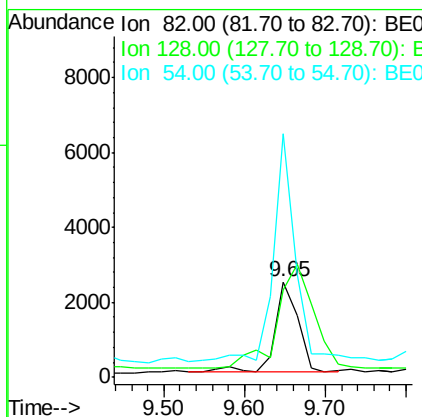
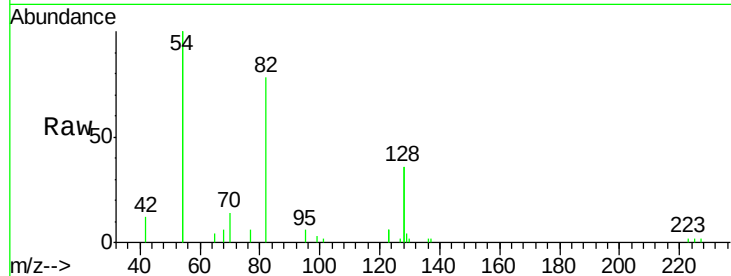
ClientSampled :

YT-MW-07

Tot Ion:	82	Resp:	4693
Ion Ratio	Lower	Upper	
82	100		
128	91.3	150.0	225.0#
54	255.6	154.2	231.4#

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#9

Naphthalene

Concen: 1.049 ng

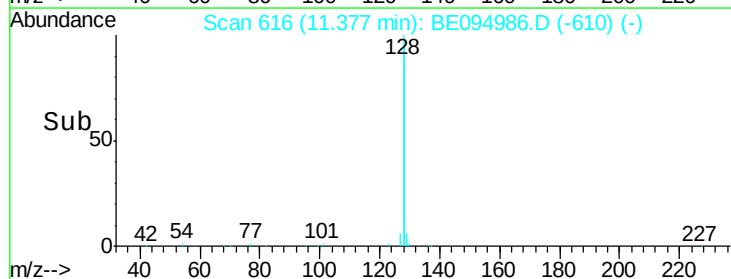
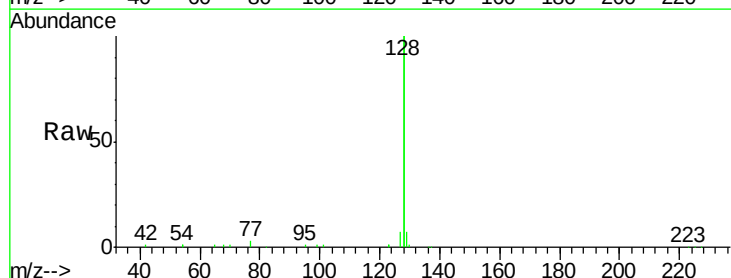
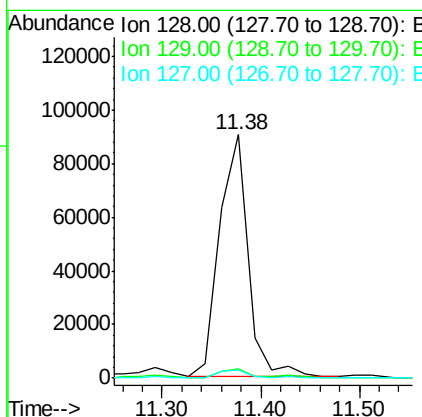
RT: 11.38 min Scan# 616

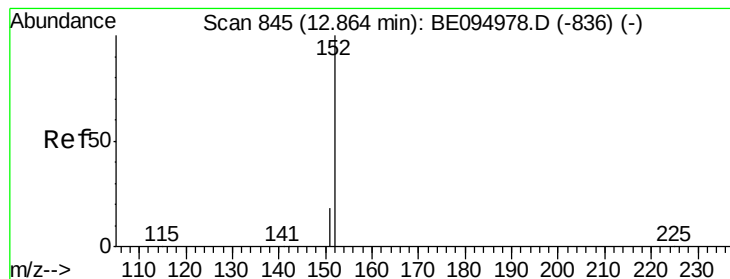
Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	128	Resp:	180992
Ion Ratio	Lower	Upper	
128	100		
129	3.7	2.6	3.8
127	3.4	2.8	4.2





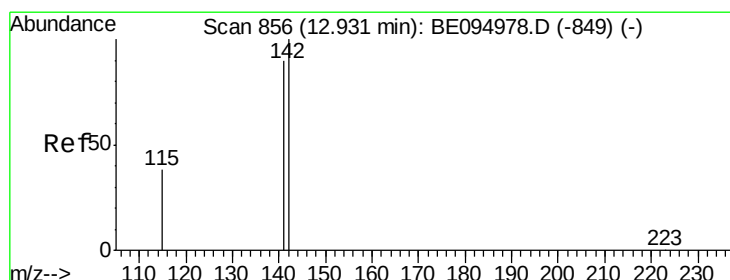
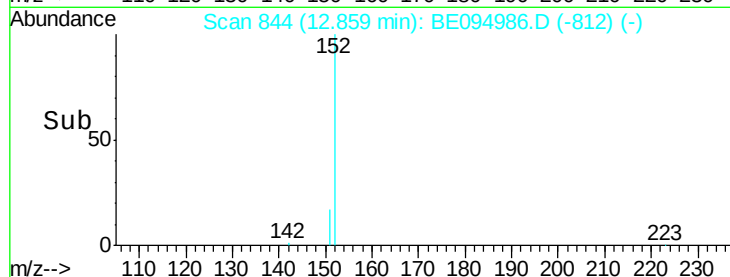
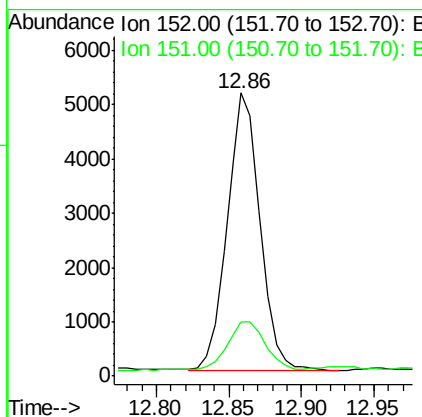
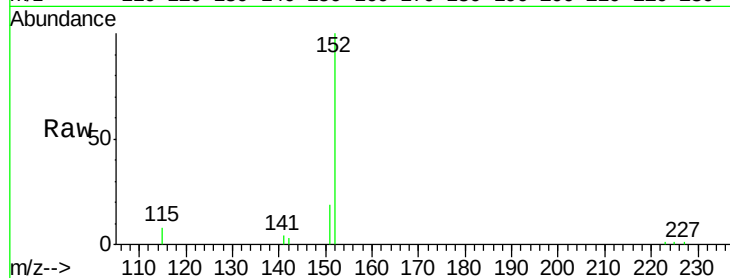
#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.86 min Scan# 844
Delta R.T. -0.01 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Instrument :
BNA_E
ClientSampleId :
YT-MW-07

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.4	23.0

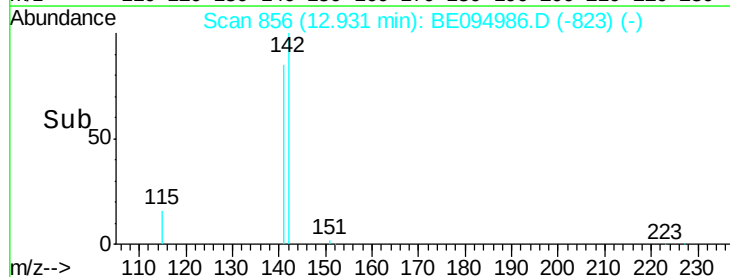
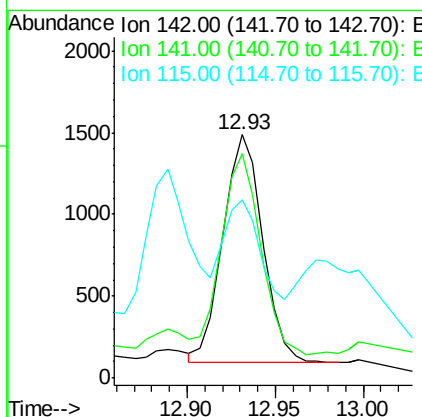
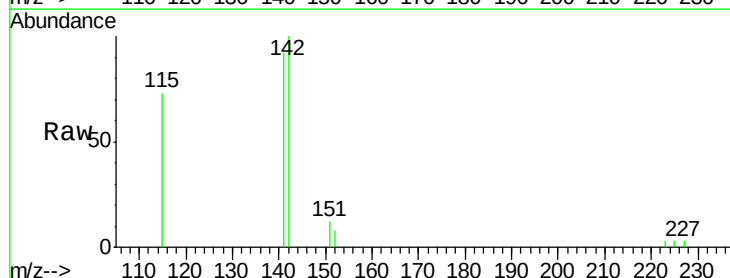
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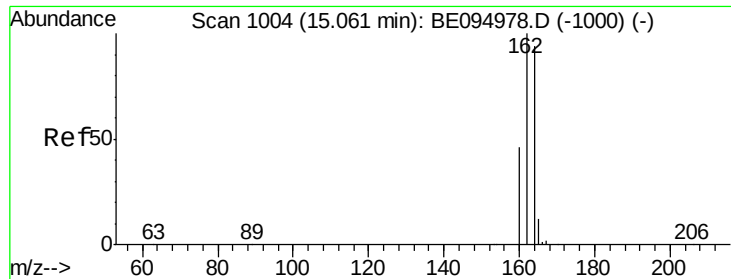
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#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.93 min Scan# 856
Delta R.T. 0.00 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.4	105.6
115	73.1	31.7	47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

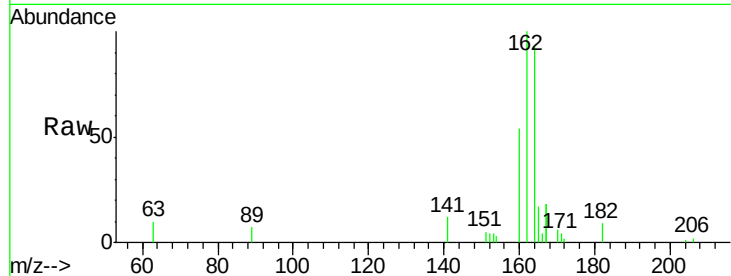
ClientSampleId :

YT-MW-07

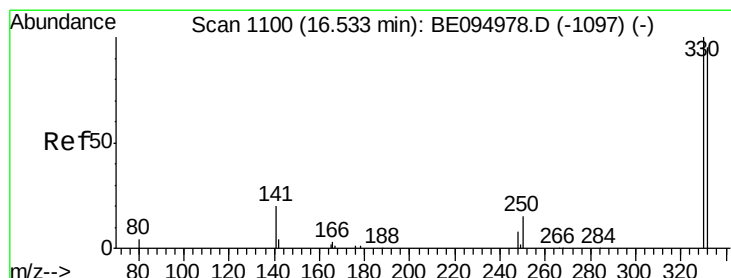
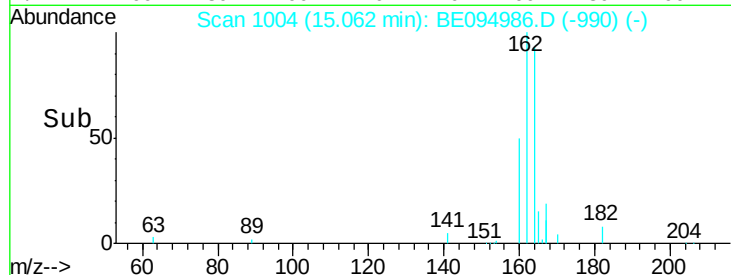
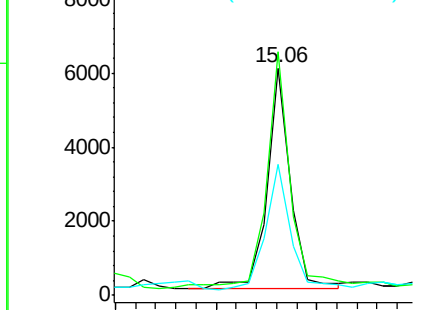
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.0	83.1	124.7
160	57.3	37.1	55.7

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.554 ng

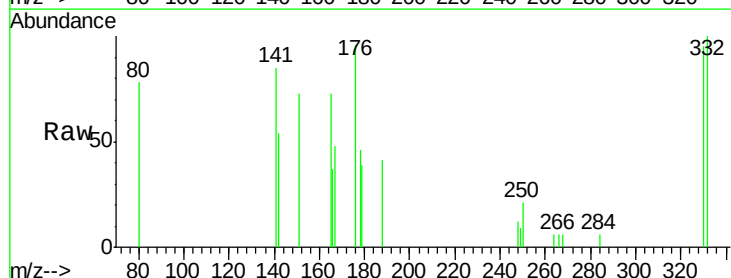
RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

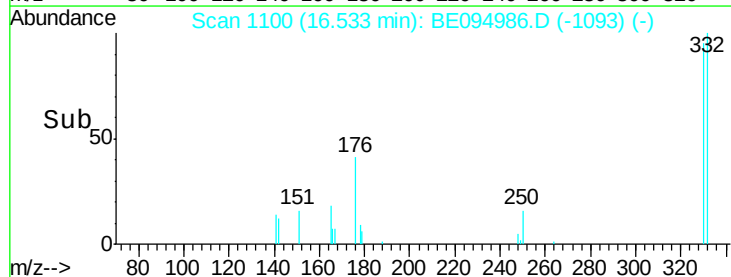
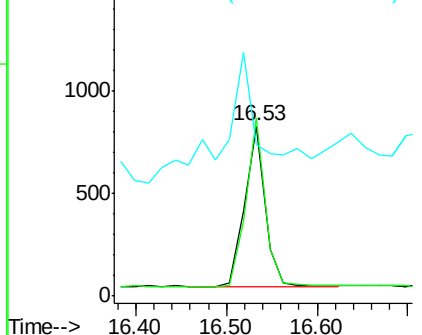
Lab File: BE094986.D

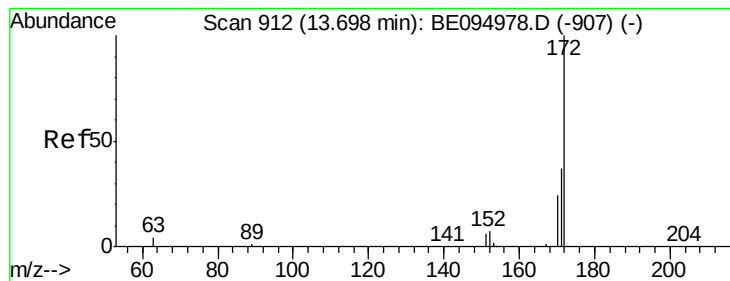
Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.6	152.7	229.1
141	74.6	33.7	50.5



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





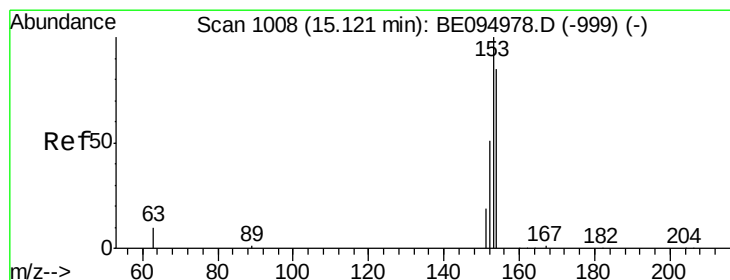
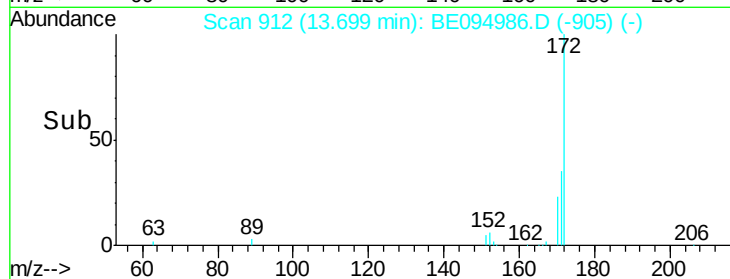
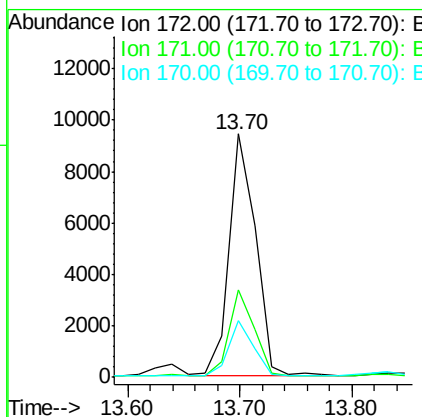
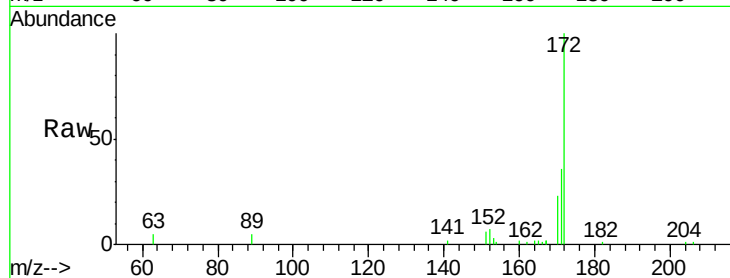
#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.70 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Instrument :
BNA_E
ClientSampleId :
YT-MW-07

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	23.4	21.8	32.8

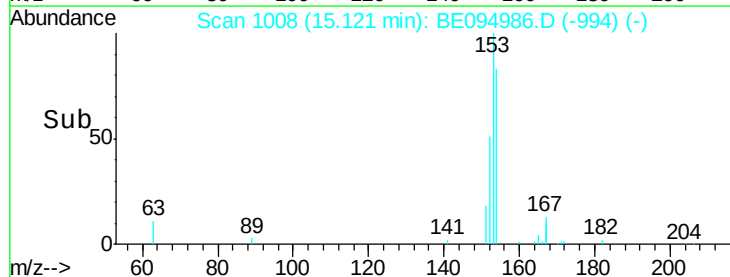
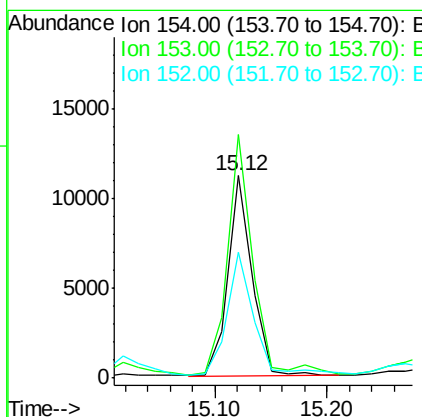
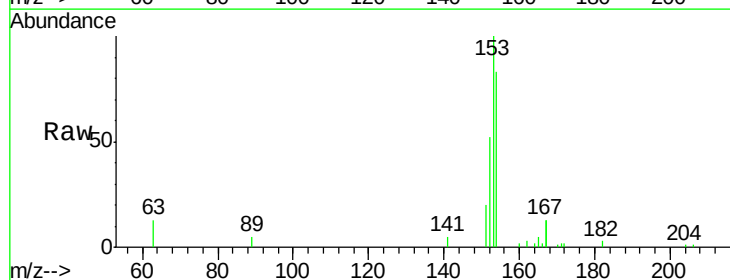
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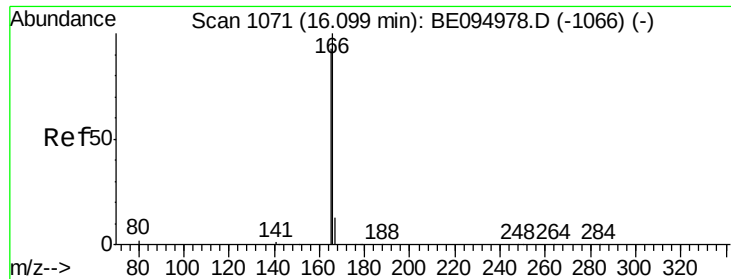
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#17
Acenaphthene
Concen: 0.487 ng
RT: 15.12 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	125.0	89.2	133.8
152	67.1	42.0	63.0





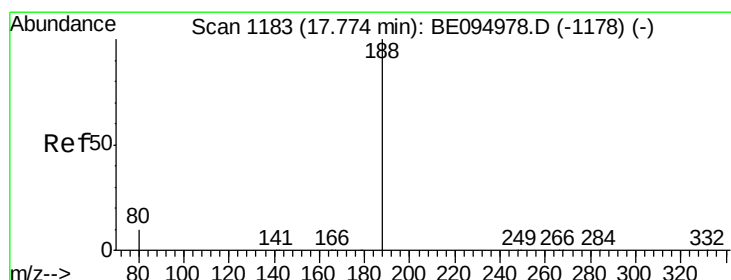
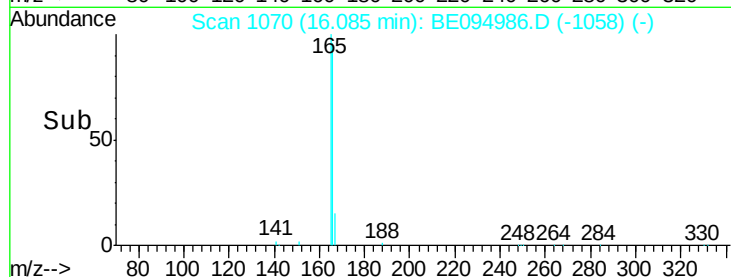
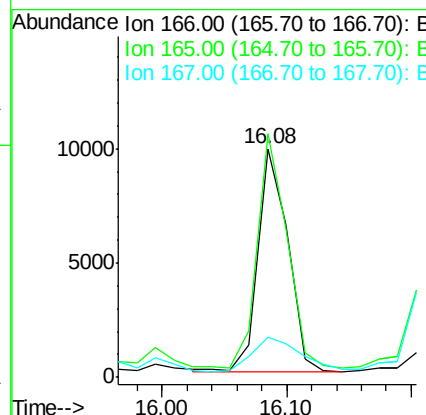
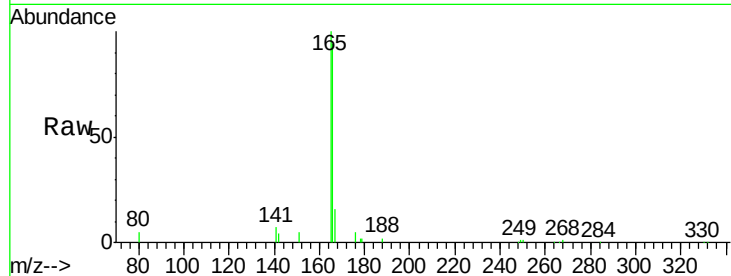
#18
 Fluorene
 Concen: 0.386 ng
 RT: 16.08 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: BE094986.D
 Acq: 14 Dec 2017 20:48

Instrument :
 BNA_E
 ClientSampled :
 YT-MW-07

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	77.8	116.6
167	24.8	42.4	63.6#

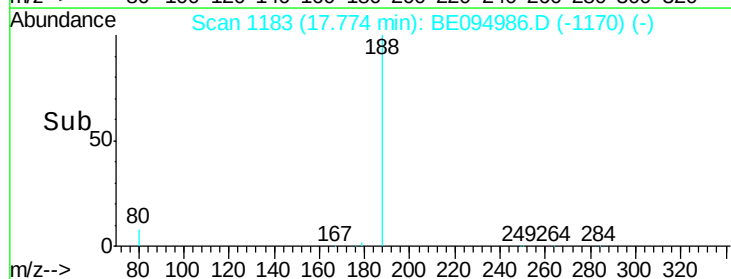
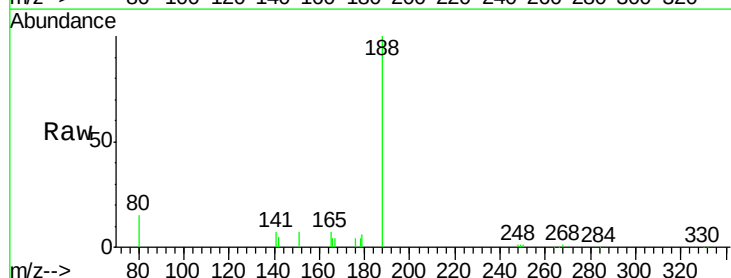
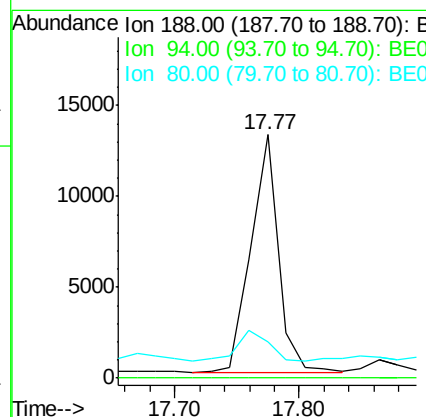
Manual Integrations
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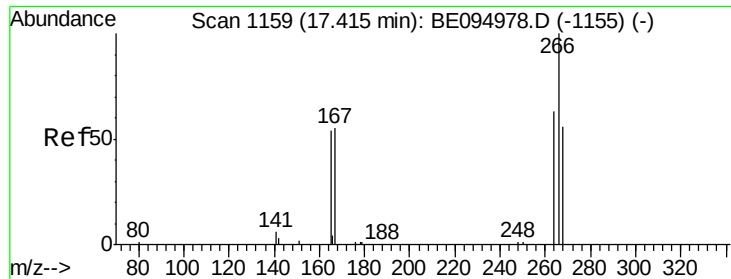
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.77 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BE094986.D
 Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	14.9	3.6	5.4#





#22

Pentachlorophenol

Concen: 0.151 ng

RT: 17.42 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

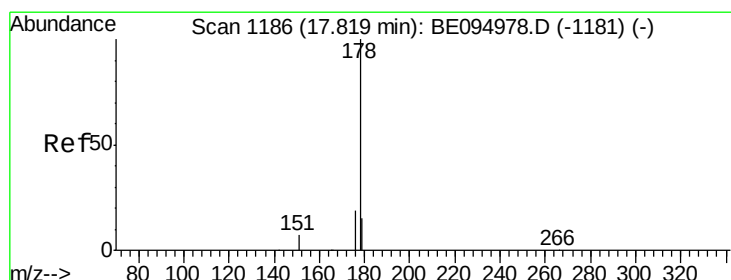
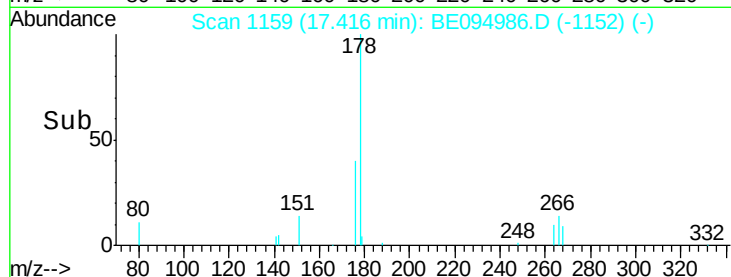
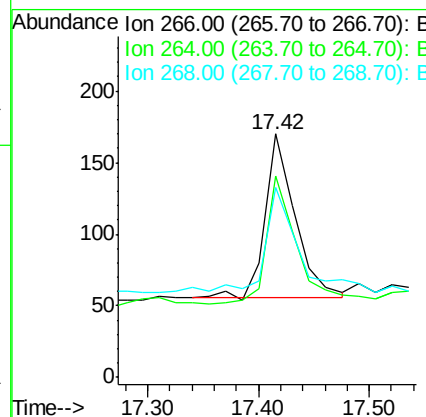
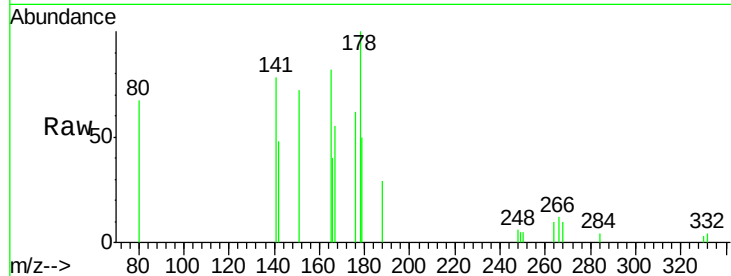
ClientSampleId :

YT-MW-07

Tot Ion:	266	Resp:	211
Ion	Ratio	Lower	Upper
266	100		
264	82.9	72.5	108.7
268	78.2	73.8	110.6

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#23

Phenanthrene

Concen: 0.112 ng

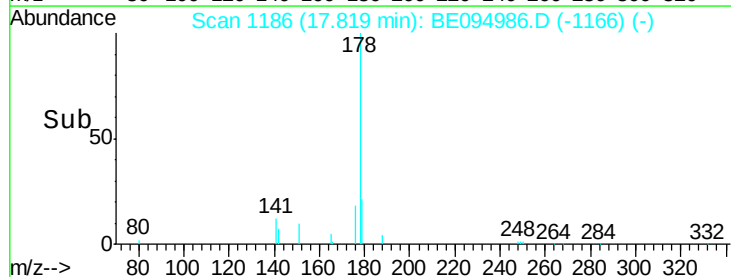
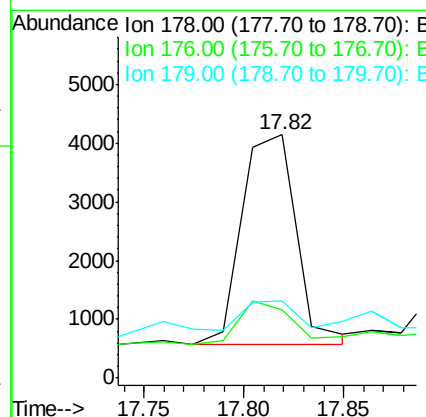
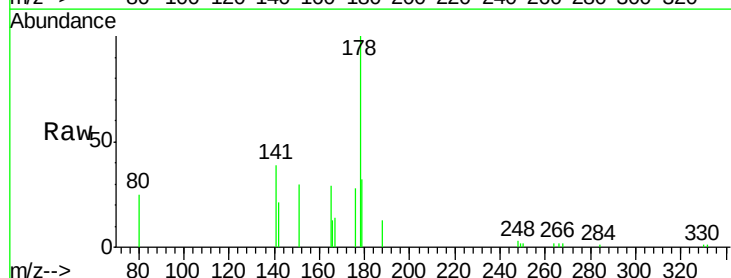
RT: 17.82 min Scan# 1186

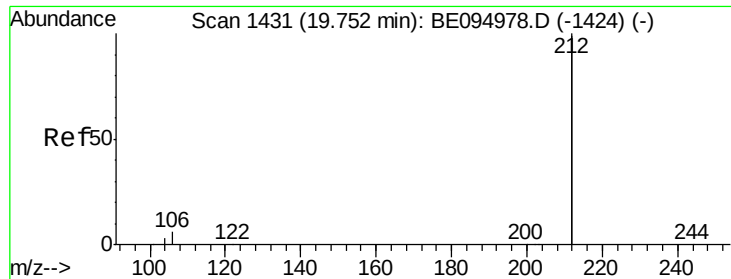
Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	178	Resp:	6906
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.1	22.7
179	49.2	11.8	17.6#





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

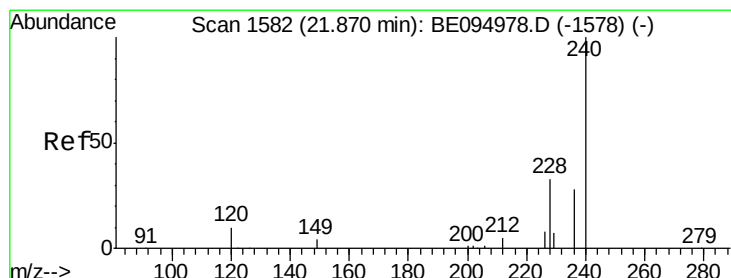
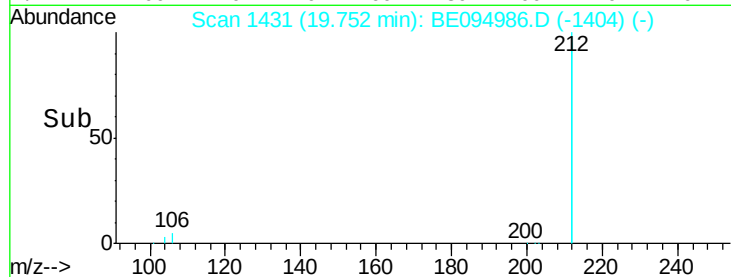
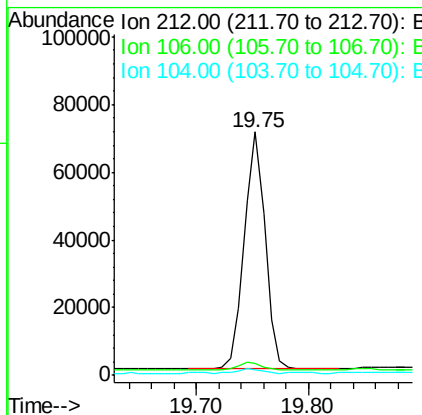
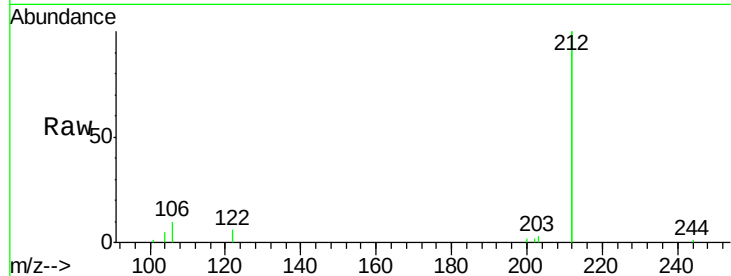
ClientSampleId :

YT-MW-07

Tot Ion:	212	Resp:	90778
Ion Ratio	Lower	Upper	
212	100		
106	3.7	2.8	4.2
104	1.8	1.6	2.4

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#27

Chrysene-d12

Concen: 0.400 ng

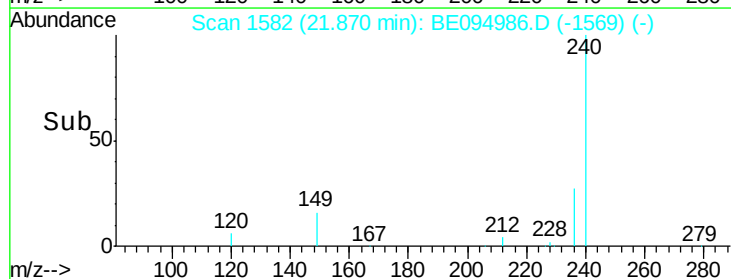
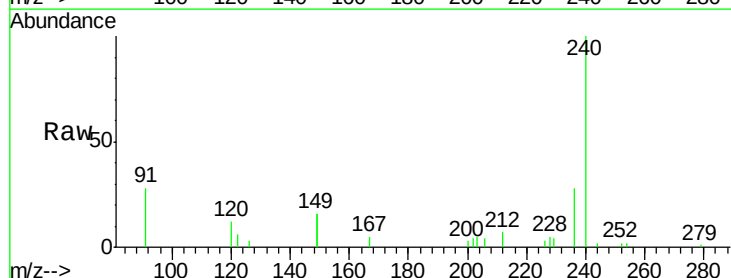
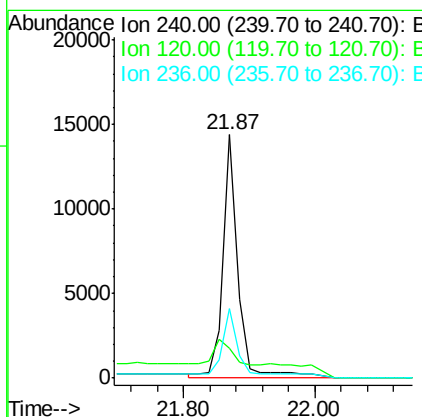
RT: 21.87 min Scan# 1582

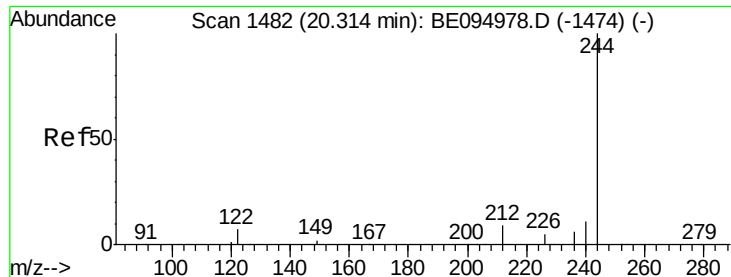
Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	240	Resp:	24229
Ion Ratio	Lower	Upper	
240	100		
120	12.3	5.5	8.3#
236	28.4	20.7	31.1





#29

Terphenyl-d14

Concen: 0.455 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

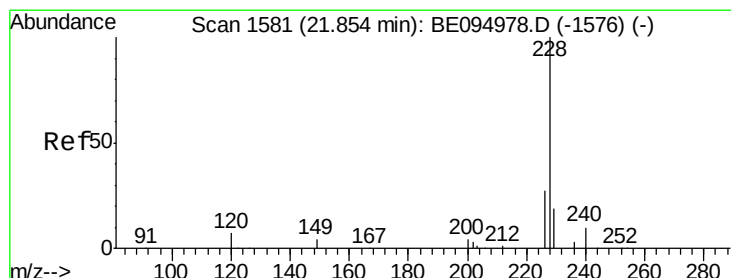
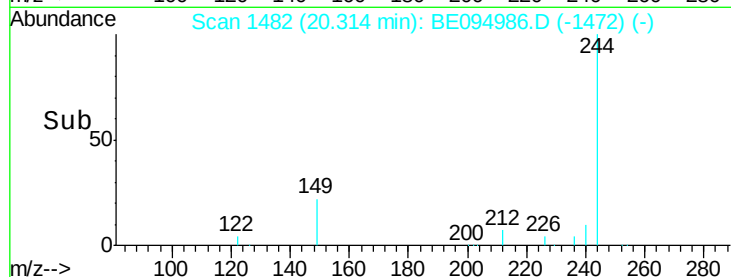
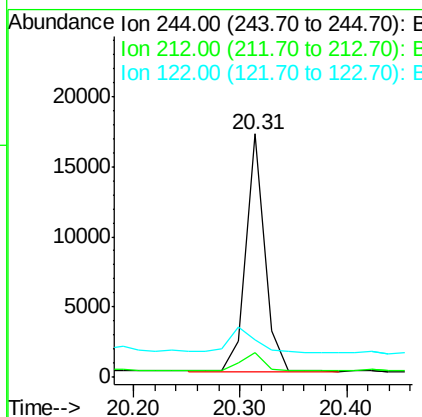
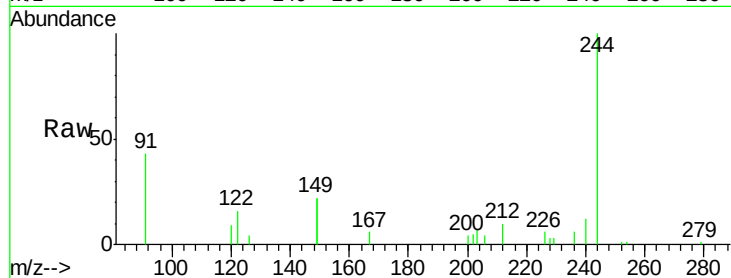
ClientSampled :

YT-MW-07

Tot Ion:	244	Resp:	20732
Ion Ratio	Lower	Upper	
244	100		
212	10.1	25.4	38.0#
122	15.5	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.037 ng m

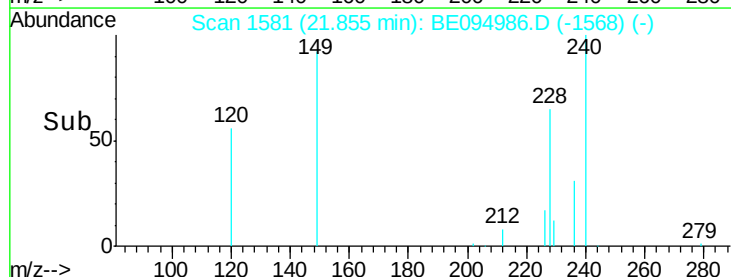
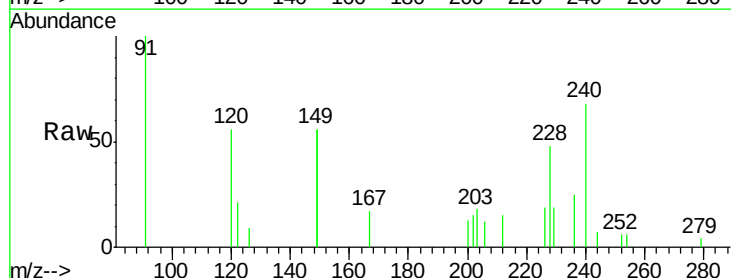
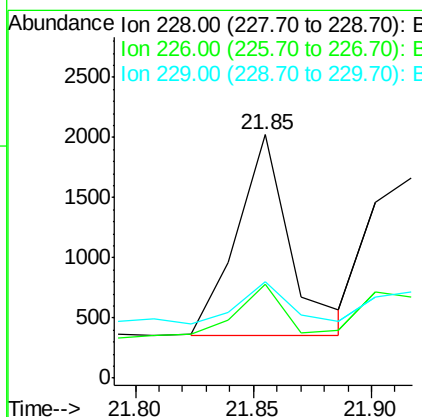
RT: 21.85 min Scan# 1581

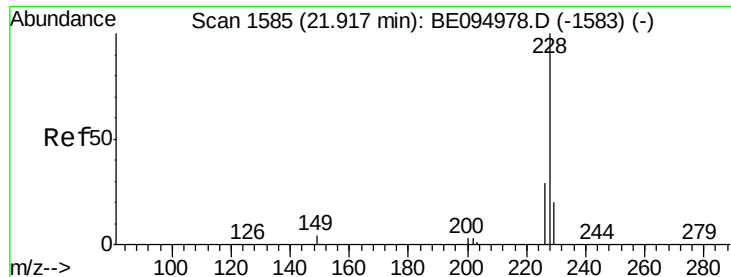
Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	228	Resp:	2626
Ion Ratio	Lower	Upper	
228	100		
226	38.4	40.0	60.0#
229	39.6	40.0	60.0#





#31

Chrysene

Concen: 0.030 ng/mL

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Instrument :

BNA_E

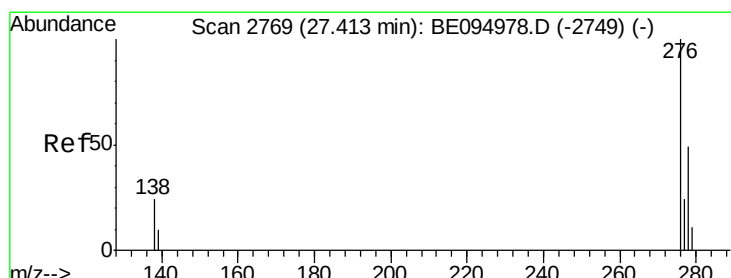
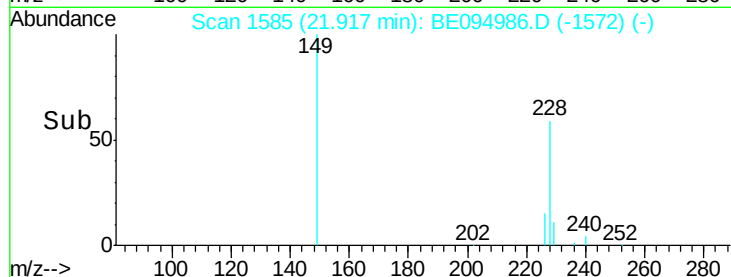
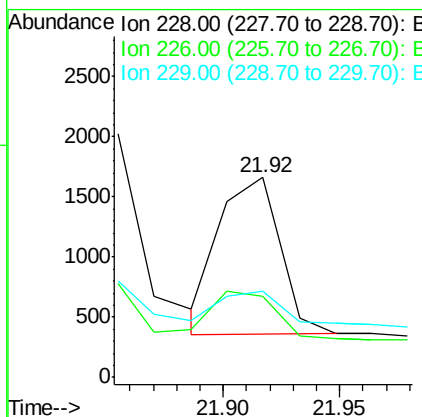
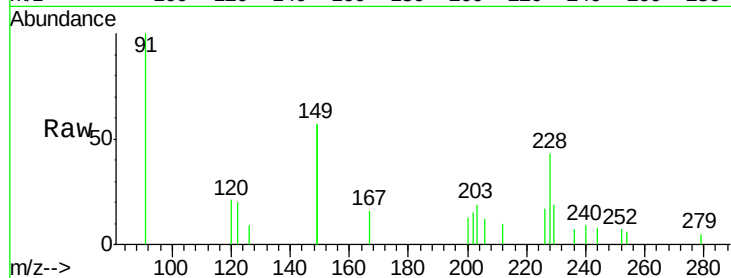
ClientSampleId :

YT-MW-07

Tot Ion:	228	Resp:	2392
Ion	Ratio	Lower	Upper
228	100		
226	40.3	40.0	60.0
229	43.0	40.0	60.0

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng/mL

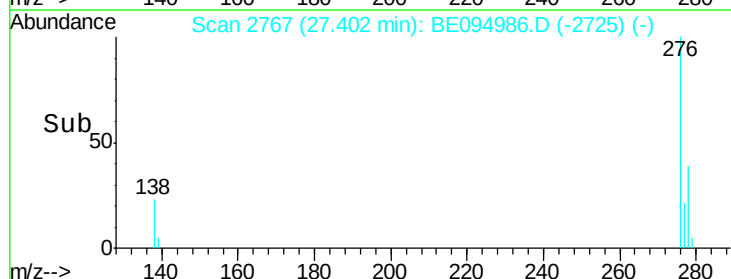
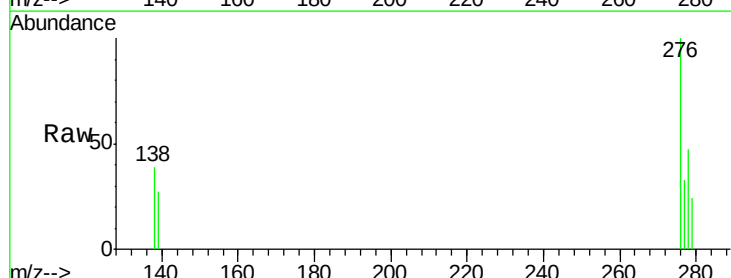
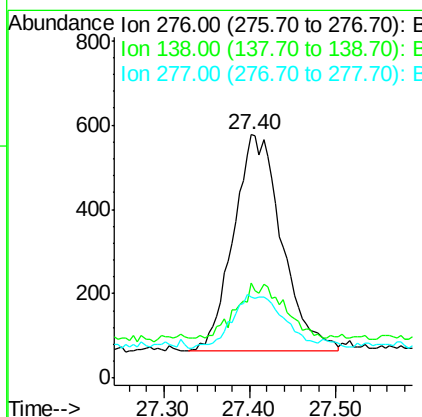
RT: 27.40 min Scan# 2767

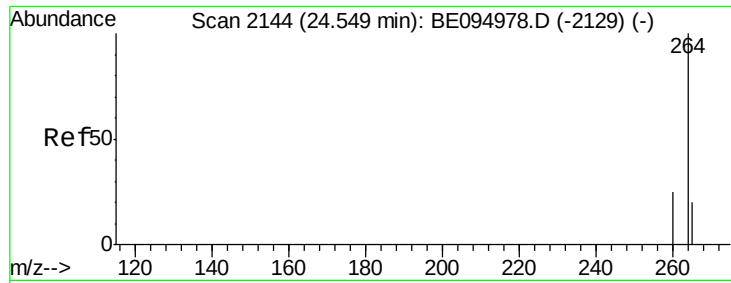
Delta R.T. -0.01 min

Lab File: BE094986.D

Acq: 14 Dec 2017 20:48

Tgt Ion:	276	Resp:	1985
Ion	Ratio	Lower	Upper
276	100		
138	12.3	22.5	33.7#
277	25.9	19.9	29.9





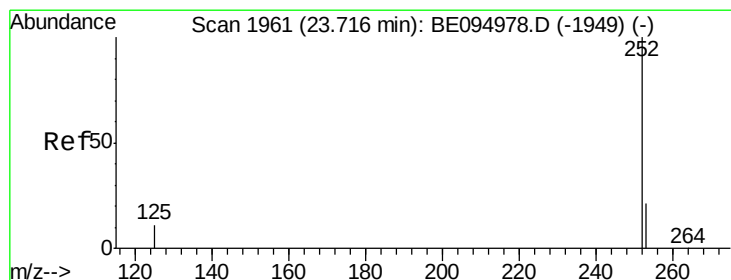
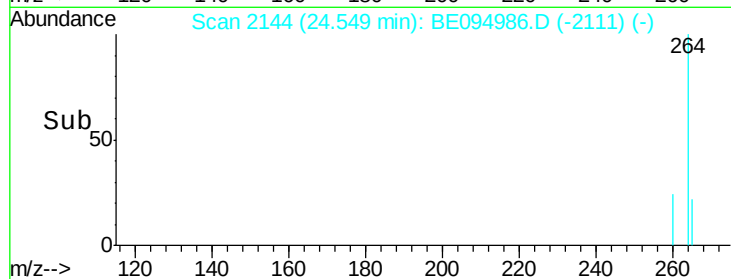
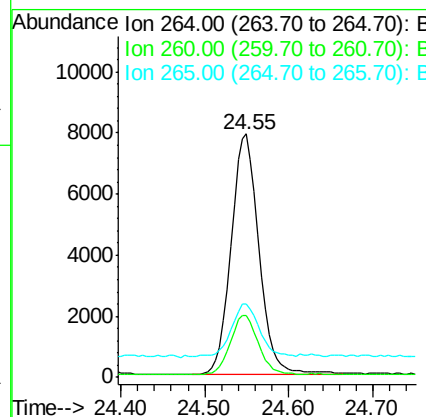
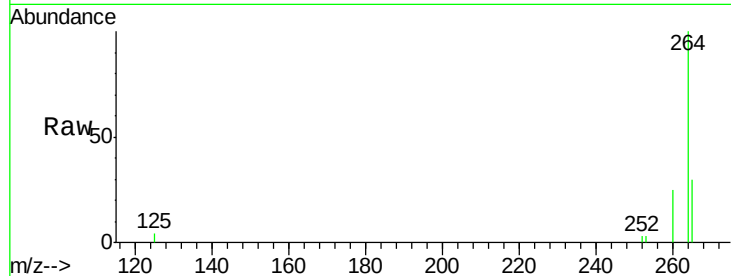
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.55 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: BE094986.D
 Acq: 14 Dec 2017 20:48

Instrument :
 BNA_E
 ClientSampled :
 YT-MW-07

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.5	30.7
265	30.3	22.8	34.2

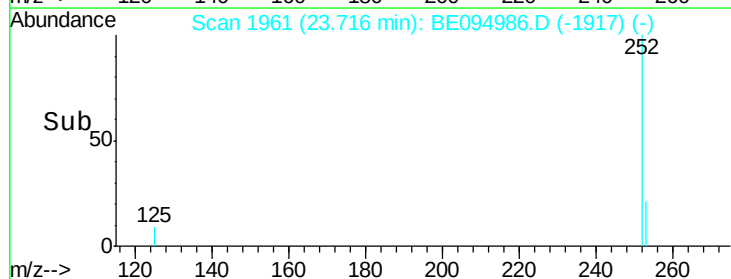
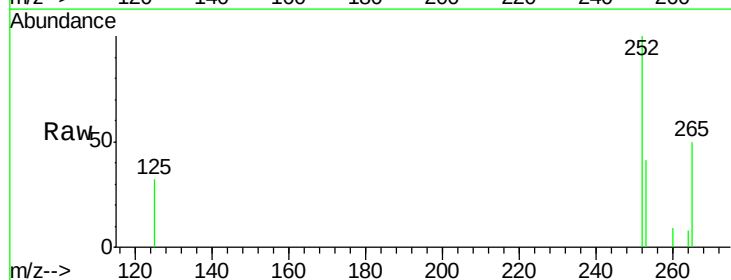
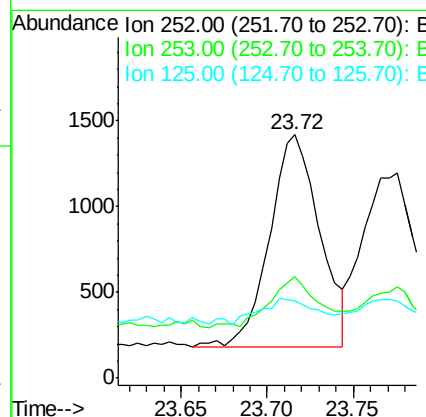
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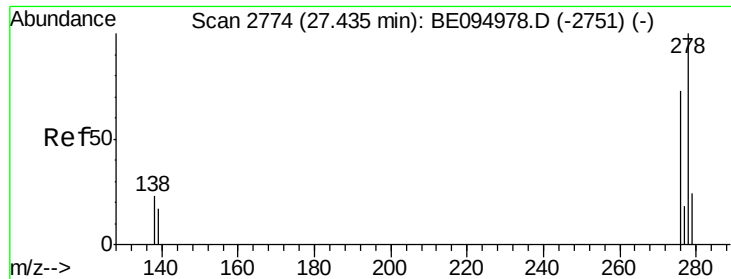
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#35
 Benzo(b)fluoranthene
 Concen: 0.038 ng
 RT: 23.72 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BE094986.D
 Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.4	20.0	30.0#
125	31.8	16.0	24.0#





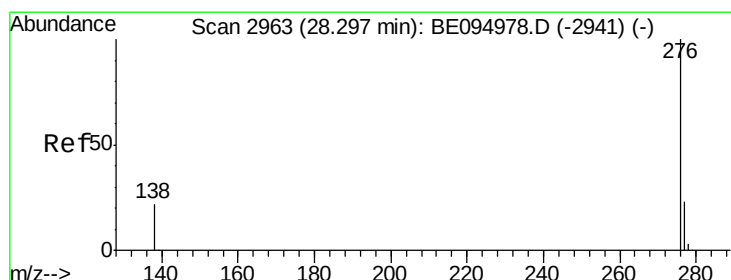
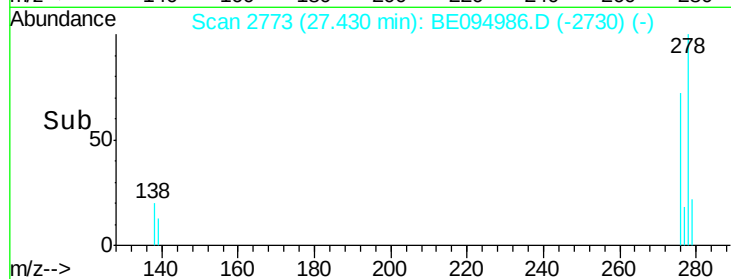
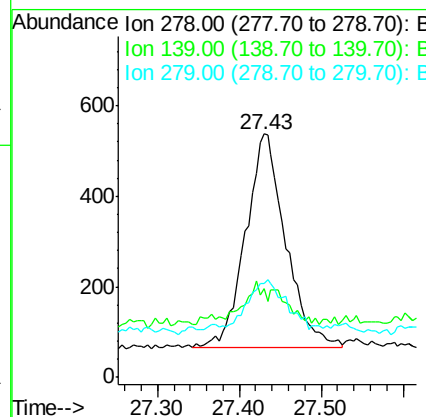
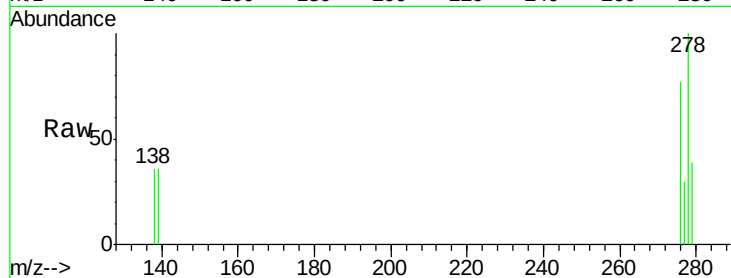
#38
Dibenzo(a,h)anthracene
Concen: 0.029 ng
RT: 27.43 min Scan# 2773
Delta R.T. -0.01 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Instrument :
BNA_E
ClientSampleId :
YT-MW-07

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.2	16.0	24.0#
279	38.7	20.0	30.0#

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#39
Benzo(g,h,i)perylene
Concen: 0.031 ng
RT: 28.29 min Scan# 2962
Delta R.T. -0.01 min
Lab File: BE094986.D
Acq: 14 Dec 2017 20:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.2	16.0	24.0#
138	37.5	20.0	30.0#

